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SSL10 & SSL20 SERIES

Jameco Part Number 196146

AC/DC Single and Multi Output: 10 - 20 Watts

Features

- Switched mode design
- Stand alone external power supply
- Regulated output & short circuit protected
- Conducted and Radiated Noise EN55022 limit B
- 90 - 264 VAC Universal input
- EMC and safety certified (CE & C-Tick markings)
- IEC, UL, VDE and AS3260 safety approval SSL20

Model	Output V	Output A	Output A (pk)	Output Power
SSL10 - 7660 - H1	5V	2.0A	2.0A	10W
SSL20 - 7660	+5V	0.9A	1.5A	14W
	+12V	0.8A	1.2A	
	-5V	0.05A	1.0A	
SSL20 - 7607	+5V	1.0A	1.5A	15W
	+12V	0.8A	1.2A	
	-5V	0.1A	1.0A	
SSL20 - 7629	+5V	1.0A	1.5A	15W
	+12V	0.8A	1.2A	
SSL20 - 7605	5V	4.0A	4.5A	20W
SSL20 - 7612	12V	1.6A	1.9A	20W
SSL20 - 7624	24V	0.83A	1.0A	20W
SSL20 - 7617	48V	0.4A	0.5A	20W

Specifications

INPUT VOLTAGE: 90 - 264 VAC

FREQUENCY: 47 - 440HZ

EFFICIENCY: 73% typically at full load

CONDUCTED & RADIATED RFI: EN55022 limit B

OUTPUT V & A: See table

VOLTAGE ADJUSTMENT: Fixed

POWER: SSL10: 10W, SSL20: 20W

RIPPLE & NOISE (20MHZ Bandwith): Typically 1% Vout pk-pk

TEMP. CO- EFFICIENT: ±0.02% per °C

TRANSIENT RESPONSE: 50% - 100% load step ±5% max. deviation 1mS recovery to 1%

OVP PROTECTION: Output protected by Zener Diode main output only.

SHORT CIRCUIT PROTECTION: Indefinite with Auto-restart

OPERATING TEMPERATURE: 0°C to 40°C at rated load

RELATIVE HUMIDITY: 5% to 95% non-condensing

ALTITUDE: Operating 10,000 feet

VIBRATION: Three orthagonal axes, random vibration 10 minutes test for each axis 2.4Grms 5HZ to 500HZ

SAFETY: IEC950/EN60950/UL1950/AS3260 approvals

INPUT CONNECTOR: C8 type with mains plug. P/N: P140BK20T032

OUTPUT CORD: SSL10: Phone jack plug 2.5mm dia. Inner +V, Outer -VE return. SSL20: Multi outputs 8 way DIN plug. Singles phone jack plug 2.5mm dia. Inner +V, Outer -VE

DIMENSIONS & WEIGHT: SSL10: 107 x 45 x 25mm. 120 grams SSL20: 107 x 57 x 25mm. 120 grams

NOTES:

- **SSL20**: Minimum load current required, 5V @ 100mA, 12V @ 100mA on multi output units to maintain stated regulation & MTBF.
- No minimum load required on single outputs SSL10/SSL20.
- Peak output current lasting than 60 sec., with duty cycle of <5%
- Total regulation: SSL10 ±2%, SSL20 V1 ±2%, V2 and V3 ±5%

SSL40 SERIES

AC/DC Single Output 40 Watts

Features

- Switched mode design
- Stand alone external power supply
- Regulated output
- Short circuit protection
- Conducted and radiated noise EN55022 limit B
- 90 - 264 VAC universal input
- EMC and safety certified (CE & C-Tick markings)
- IEC, UL, VDE safety approvals
- AS3260 approval No. N15525

MODEL	Output V	Output A	Peak A	Power W
SSL40 - 7612	12.0V	3.0A	3.5A	40W
SSL40 - 7613	13.5V	2.7A	3.5A	40W
SSL40 - 7614	14.0V	2.8A	3.5A	40W
SSL40 - 7615	15.0V	2.6A	3.0A	40W
SSL40 - 7618	18.0V	2.2A	3.0A	40W
SSL40 - 7624	24.0V	1.6A	2.5A	40W
SSL40 - 7630	30.0V	1.33A	2.0A	40W
SSL40 - 7617	48.0V	0.83A	1.5A	40W

BRACKET MOUNTING OPTION

Specifications

INPUT VOLTAGE:	90 - 264 VAC
FREQUENCY:	47 - 440HZ.
EFFICIENCY:	83% typical at full load
EMI/EMC:	EN55022 limit B
OUTPUT V & A:	See table. Peak current rating for 60 second maximum cycle <5%
VOLTAGE ADJUSTMENT:	Fixed
POWER:	40 watts
RIPPLE & NOISE:	250mV pk - pk (20MHZ)
TEMP. CO-EFFICIENT:	±0.02% per °C
TRANSIENT RESPONSE:	50% - 100% load step ± 5% max. deviation, 1msec. recovery
OVP PROTECTION:	Output protected by Zener Diode
REGULATION:	Total regulation line and load ±2%
SHORT CIRCUIT PROTECTION:	Indefinite with auto - restart
OPERATING TEMPERATURE:	0°C to 40°C at rated load
RELATIVE HUMIDITY:	5% to 95% non-condensing
ALTITUDE:	Operating 10,000 feet
VIBRATION:	Three orthogonal axes, random vibration 10 minute test for each axis 2.4Grms 5HZ to 500HZ
SAFETY:	IEC950/EN60950/UL1950 AS3260 approved
INPUT CONNECTOR:	C8 type with mains plug (P/N: P140BK20T032)(optional)
OUTPUT CORD:	Phone jack plug with inner diameter of 2.5mm Inner V+ Outer -VE return
DIMENSIONS:	107 x 45 x 25mm
WEIGHT:	200 grams